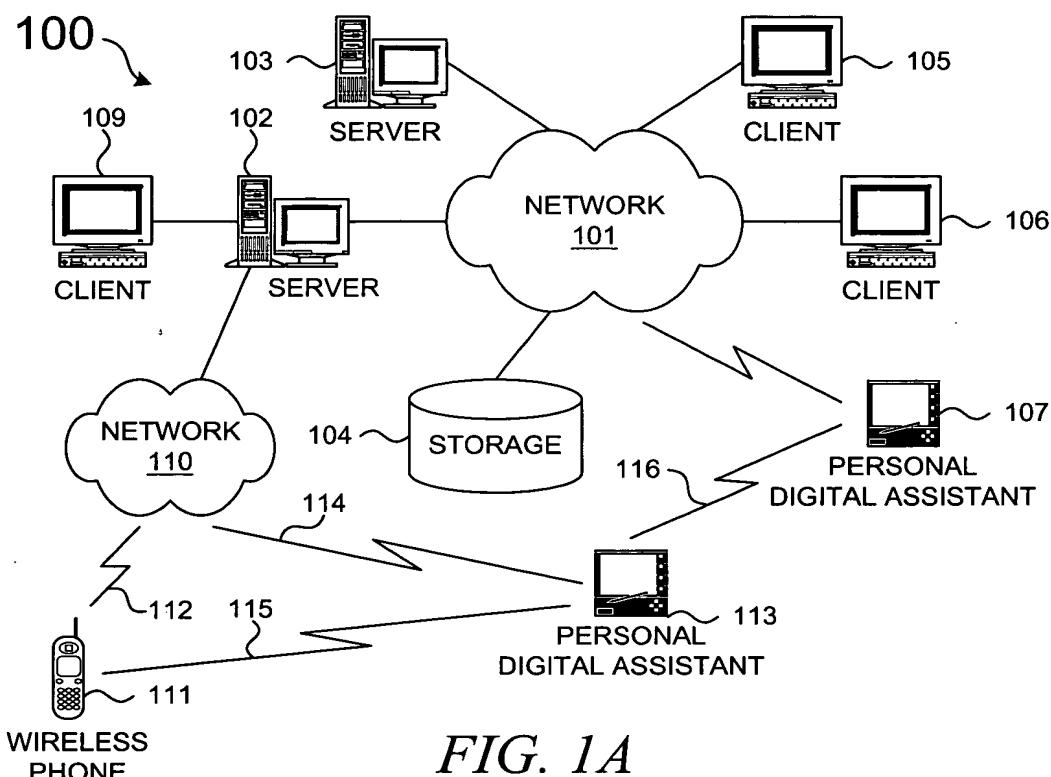
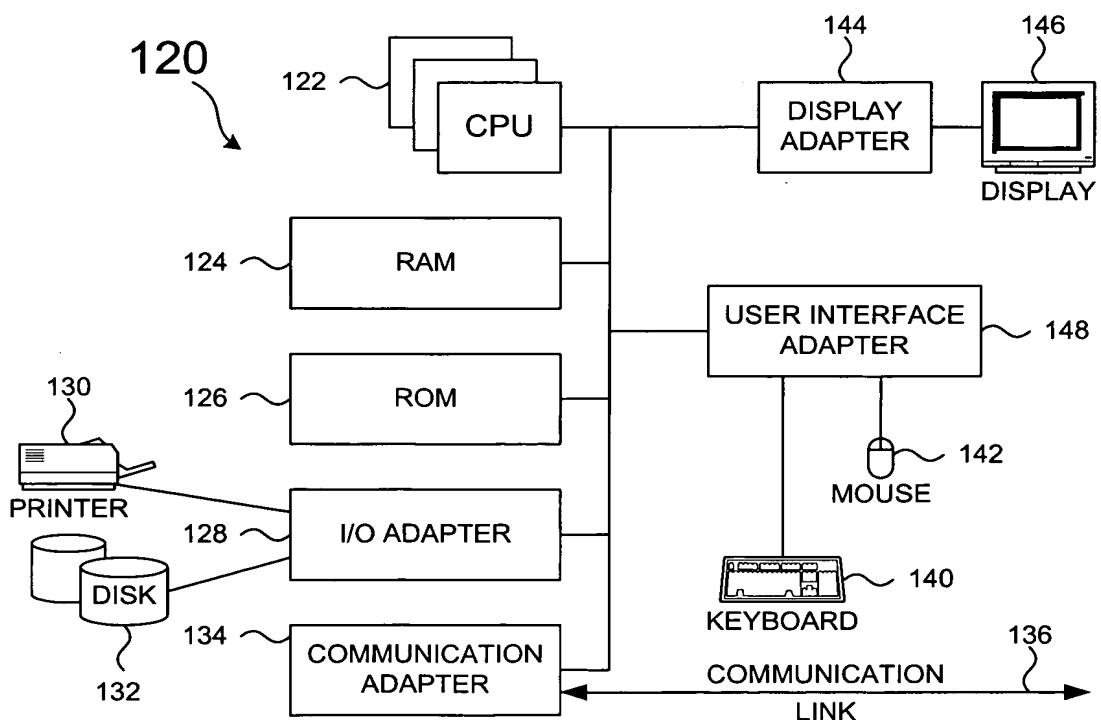


Method and system for a secure binding of a revoked X.509 certificate to its corresponding certificate revocation list

1/6



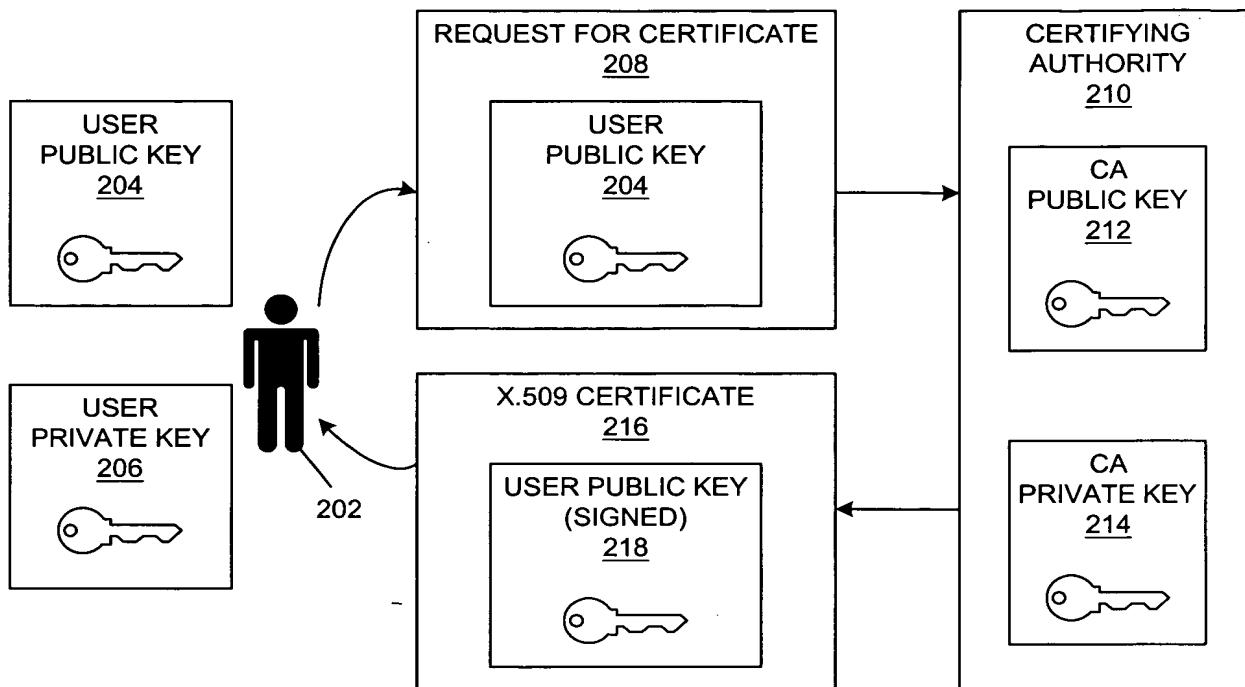
*FIG. 1A
(PRIOR ART)*



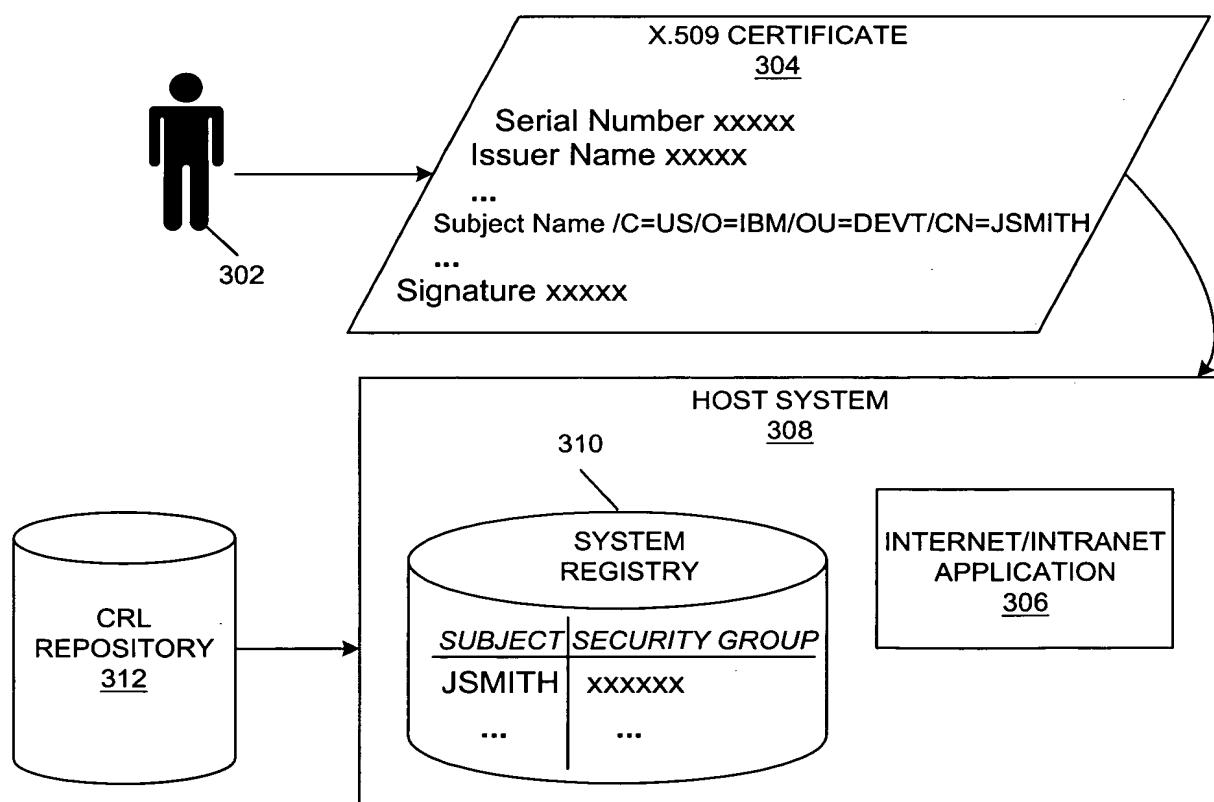
*FIG. 1B
(PRIOR ART)*

Method and system for a secure binding of a revoked X.509 certificate to its corresponding certificate revocation list

2/6



*FIG. 2
(PRIOR ART)*



*FIG. 3
(PRIOR ART)*

Method and system for a secure binding of a revoked X.509 certificate to its corresponding certificate revocation list

3/6

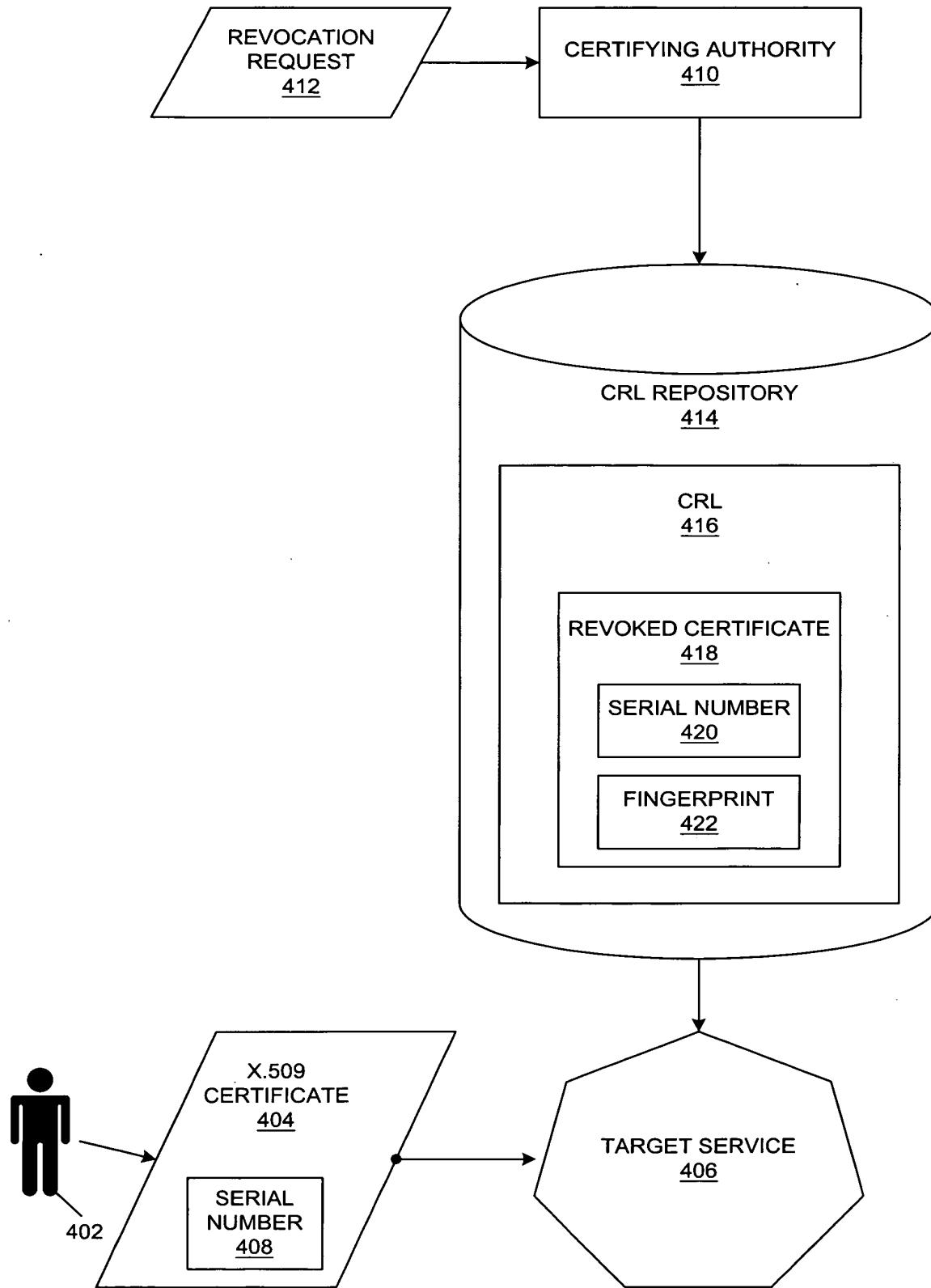


FIG. 4

4/6

```
Certificate ::= SEQUENCE {
    tbsCertificate            TBSCertificate,
    signatureAlgorithm        AlgorithmIdentifier,
    signature                 BIT STRING }

TBSCertificate ::= SEQUENCE {
    version                  [0] Version DEFAULT v1,
    serialNumber              CertificateSerialNumber,
    signature                 AlgorithmIdentifier,
    issuer                   Name,
    validity                  Validity,
    subject                  Name,
    subjectPublicKeyInfo      SubjectPublicKeyInfo,
    issuerUniqueID            [1] IMPLICIT UniqueIdentifier OPTIONAL,
    subjectUniqueID           [2] IMPLICIT UniqueIdentifier OPTIONAL,
    extensions                [3] Extensions OPTIONAL }

Version ::= INTEGER { v1(0), v2(1), v3(2) }

CertificateSerialNumber ::= INTEGER

Validity ::= SEQUENCE {
    notBefore                Time,
    notAfter                 Time }

Time ::= CHOICE {
    utcTime                  UTCTime,
    generalTime               GeneralizedTime }

UniqueIdentifier ::= BIT STRING

SubjectPublicKeyInfo ::= SEQUENCE {
    algorithm                AlgorithmIdentifier,
    subjectPublicKey          BIT STRING }

Extensions ::= SEQUENCE SIZE (1..MAX) OF Extension

Extension ::= SEQUENCE {
    extnID                   OBJECT IDENTIFIER,
    critical                 BOOLEAN DEFAULT FALSE,
    extnValue                OCTET STRING }
```

FIG. 5A
(PRIOR ART)

Method and system for a secure binding of a revoked X.509 certificate to its corresponding certificate revocation list

5/6

```

CertificateList ::= SEQUENCE {
    tbsCertList          TBSCertList,
    signatureAlgorithm   AlgorithmIdentifier,
    signatureValue        BIT STRING }

TBSCertList ::= SEQUENCE {
    version               Version OPTIONAL,
    signature              AlgorithmIdentifier,
    issuer                Name,
    thisUpdate             Time,
    nextUpdate             Time OPTIONAL,
    revokedCertificates   SEQUENCE OF SEQUENCE {
        userCertificate     CertificateSerialNumber,
        revocationDate      Time,
        crlEntryExtensions  Extensions OPTIONAL
    } OPTIONAL,
    crlExtensions [0]      EXPLICIT Extensions OPTIONAL
}

```

FIG. 5B
(PRIOR ART)

```

certFingerprint ::= SEQUENCE OF SEQUENCE {
    algorithm            AlgorithmIdentifier,
    fingerprint          octet string
}

```

FIG. 6

Method and system for a secure binding of a revoked X.509 certificate to its corresponding certificate revocation list

6/6

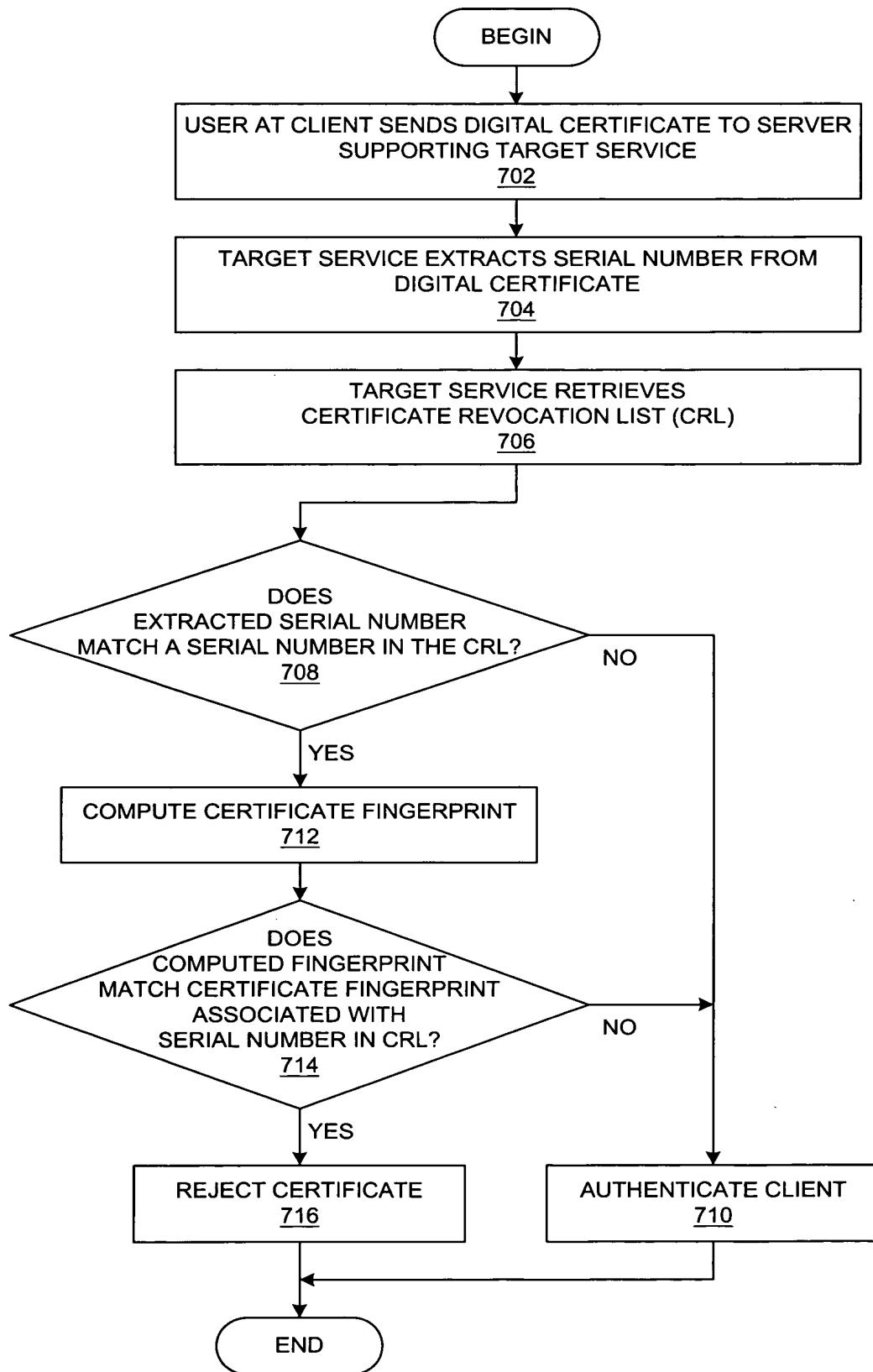


FIG. 7